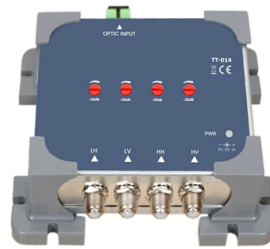


Optical module price increase this year



Overview

MCU chips powering optical modules have emerged as a critical semiconductor segment driven by the AI data center construction boom, with prices rising approximately 40% year-to-date and overseas AI power and optical communication companies beginning large-scale procurement of. MCU chips powering optical modules have emerged as a critical semiconductor segment driven by the AI data center construction boom, with prices rising approximately 40% year-to-date and overseas AI power and optical communication companies beginning large-scale procurement of. Supply and demand: Exploding demand for AI computing power is driving data center expansion, and 800G/1.6T optical modules are in short supply. Cloud vendors are seeing a significant increase in capital expenditures. Supply bottleneck: High-end production capacity (such as 800G) is difficult to. Recent price increases in products like memory have pressured AI data center CAPEX, prompting questions about whether such hikes are truly beneficial. While scarcity-driven price rises in single components—be they storage, fiber, or discrete parts—may seem like direct buying signals, within the. Recently, the price of optical fiber and related products has risen significantly globally. Benefiting from strong demand for optical circuit switches (OCS) and co-packaged optics (CPO), optical module giant Lumentum not only delivered a report card with both revenue and profit exceeding expectations, but also gave guidance for the next quarter with a year-on-year growth of up to 85%. Optical Module Chip Market size was valued at US\$ 823 million in 2024 and is projected to reach US\$ 1.52 billion by 2032, at a CAGR of 8.

Article Content

From optical modules to chips: China's tech supply chains sustain ...

BEIJING — With the global push for artificial intelligence (AI) computing power unleashing an unprecedented wave of infrastructure build-out, China-made optical modules that

Rising Fiber Optic Prices and Supply Challenges: Cost Trends

Taking high-speed optical transceiver modules as an example, prices have been rising steadily since their initial market launch.

Optical Module Package Market 2025

The optical module market has become increasingly competitive, with average selling prices declining at approximately 15-20% annually for mainstream products. Chinese manufacturers have significantly

Point To Point Optical Module Market Growth and Future Outlook

The Point To Point Optical Module Market is projected to grow at a CAGR of approximately 12-15% over the next 5 years, driven by surging data center expansion, 5G rollouts,

Deep Dive: Optical Module Market

In terms of pricing, 800G LPO modules have been sold at around \$600 this year, which is cheaper than single-mode conventional optical modules priced above \$700 but more expensive

Optical module "Yi Zhongtian" has fallen! Demand relies on ...

Furthermore, the "binding ratio" between optical modules and GPUs is increasing, based on the amount of optical module spending required for each dollar of GPU spending. Goldman Sachs

Optical Module & DCI Market: 16.4% CAGR to \$14.7 Billion

The Optical Module and DCI market's 16.4% CAGR to \$14.7 billion by 2025 is driven by surging data traffic and network upgrades. Analyze market dynamics and competitive landscape.

Module price pressures expected to ease next year, but only if

Since last year, module prices have risen by up to 25% as the cost of raw materials and transportation have soared, dampening downstream demand and disrupting the entire solar supply

Optical Module Package Market 2025

However, price sensitivity in developing markets often delays the adoption of premium optical solutions, and trade restrictions occasionally impact regional dynamics. South America In South America, the

The reasons behind the recent sharp price increase of optical modules ...

Costs are driving optical chip shortages and price increases. High-speed optical chips (such as those above 25G) are in short supply, leading to rising costs. The self-sufficiency rate for

Optical Module Chip Market 2025

While investment in fiber-optic networks is increasing, the market remains price-sensitive, with a preference for cost-effective 10/25G solutions over high-end modules. Middle East & Africa The MEA

Optical Module Industry Statistics (2026): Expert Analysis

Optical module demand is reshaping faster than most forecasts, with 2026 growth pointing to a clear change in where capacity is being built and what

Optical Module Market Size, Competitors & Forecast to 2032

The Optical Module Market, valued at USD 30.01B in 2026, is projected to reach USD 66.94B by 2032, growing at a 14.1% CAGR.

Optical Module Chip Market 2025

Average selling prices for 100G optical modules have declined approximately 70% over the past five years, forcing chip vendors to achieve aggressive cost reductions while maintaining performance.

China Optical Module Stocks Surged on AI Demand

Optical component stocks in China surged on June 3 after strong AI demand drove gains in US tech firm Marvell. Major Chinese optical module companies including Zhongji Innolight,

Optical Module Industry Statistics 2026

The optical module industry is facing increasing pressure to reduce its carbon footprint, with 40% of manufacturers targeting net-zero emissions by 2030. Competition in the 400G optical

Goldman Sachs: AI chip ratio increases, optical module ...

In terms of specific data, the sales volume of 800G modules in 2025 and 2026 will be increased, and the sales volume of 1.6T modules in 2026 is expected to be 7 million units; the total

From optical modules to chips: China's tech supply chains sustain ...

Customs data show that in March 2026, China's average export price of optical modules rose 23 percent year on year, while fiber and cable exports soared 263.8 percent in value year on

Explosive Results! Optical Module Giant Lumentum: Q2 ...

Following the release of its financial report, Lumentum's stock price surged more than 5% in after-hours trading, bringing its cumulative increase over the past year to more than 400%.

Optical Module MCUs Become Critical as AI Data Centers Drive

MCU chips powering optical modules have emerged as a critical semiconductor segment driven by the AI data center construction boom, with prices rising approximately 40% year-to-date

Why the Logic Behind Optical Module Price Hikes Is More "Healthy"

Guosheng Securities notes that the pricing logic for optical modules is more sustainable: as specs advance from 400G to 1.6T, unit prices rise while cost per bit continues to fall. This "tech-driven

800G Optical Modules Drive Market Recovery in 2025

Meanwhile, Signal AI's Optical Components Report reinforces this outlook, predicting that 800G modules will see a 60% year-over-year increase in shipment volume in 2025, making them the

LightCounting :: Component shortages limit growth in transceiver sales

Chinese optical module manufacturers will report Q4 results together with the full year results in April, but several of them have already released very high net profits for 2024, indicating significant annual

Global Demand for Optical Module Chips Surges | Weyland

Unlike traditional semiconductor markets where scaling reduces cost, optical module chips are becoming more valuable per unit due to increasing complexity. Key technological trends include:

Cost of optical module electronic chips | Weyland

In low-speed optical modules, their cost share is relatively low. However, in 400G, 800G, and future 1.6T optical modules, electronic chips can account for 20%–40% or more of total cost,

Exploring Optical Module Chip Market Evolution 2026-2034

Explore the booming Optical Module Chip market forecast (2025-2033). Discover key drivers like 5G, data centers, and AI, alongside growth trends for 100G, 200G, 400G, and 800G

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.dknconsulting.co.za>

Email: info@dknconsulting.co.za

Phone: +31 6 2948 7351

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

This document is for informational purposes only. Specifications subject to change without notice.

